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Fax Number 1571-273-8300

Phone Number

FROM Uri Cohen

Fax Number (650) 494-0268

Phone Number (650) 494-0268

SUBJECT Corrected Appeal Brief: 10/688,333

Number of Pages 3

Date 4/4/2008

MESSAGE

Please see attached Corrected Pg. 1, indicating status of Claims 11-28 as cancelled.

Sincerely,

Uri Cohen

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BOARD OF PATENT APPEALS AND INTERFERENCES

Applicant:	Uri Cohen
Title:	Methods and Apparatus for Activating Openings for Jets Plating
Serial No.:	10/688,333
Filed:	October 17, 2003
Examiner:	Wilkins III, Harry D.
Group Art Unit:	1753
Date:	March 7, 2008

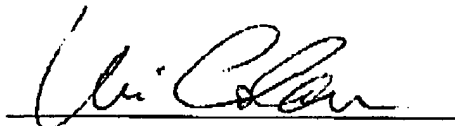
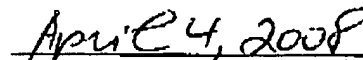
BY FACSIMILE (FAX)

I hereby certify that this correspondence is being faxed on April 4, 2008 to Mail Stop Appeal Brief-Patents, Commissioner for Patents, P.O. 1450, Alexandria, VA 22313-1450.

CORRECTED APPEAL BRIEF

In response to the Notification of Non-Compliant Appeal Brief of 03/26/2008, for failing to provide the status of Claims 11-28, Appellant has attached below a corrected page 1, indicating the Status of Claims 11-28 as cancelled.

Respectfully Submitted,


Uri Cohen, Appellant
4147 Dake Avenue
Palo Alto, CA 94306
(650) 494-0268
Date of Signature

Corrected pg. 1.

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(1) **Real Party in Interest.**

The real party in interest is Uri Cohen, the inventor and owner of all right, title, and interest in and to the patent application. There has been no assignment.

(2) **Related Appeals and Interferences.**

There are no other pending appeals, interferences, or judicial proceedings known to Appellant (there is no assignee) which may be related to, or which will directly affect or be directly affected by or have a bearing on the Board's decision in the pending appeal.

(3) **Status of Claims.**

Claims 11-28 have been cancelled. Claims 1-10 and 29-43 are all the pending claims in the present patent application. Claims 1-10 and 29-43 stand rejected (Claims 1-10 have been rejected three times). Claims 1-10 and 29-43 are appealed.

(4) **Status of Amendment.**

No amendment was filed subsequent to the last rejection.

(5) **Summary of the Claimed Subject Matter.**

The technology covered by the various claims relates in general to electrochemical deposition (ECD) filling (or electrofilling) of a metal or an alloy inside deep and narrow openings located in a front surface of a substrate, and in particular, to activation methods aimed at improving electrolyte wetting and penetration inside the deep openings, prior to commencing electroplating. These methods are utilized directly (*in-situ*) in the electroplating solution (electrolyte). In some methods, an electrolyte wetting step is performed in the same (electroplating) chamber where a successive electroplating step is performed. In other methods, the electrolyte wetting step and the electroplating step may be performed in separate chambers. Each of the methods can be utilized alone, or in conjunction with one or more of the other methods described below.

In accordance with one embodiment of the invention, ultrasonic vibrations or, more preferably megasonic vibrations, are used in the activation (or wetting) solution to enhance wetting inside the deep openings. The wetting (or activation) solution is the same as the electroplating solution (electrolyte). The wetting solution may also include one or more wetting agents (surfactants) and an acid or other chemicals designed to remove surface oxides and/or surface contamination from the metallic surface. In a preferred embodiment, ultrasonic (or